2015 Structure Summary Report

Overall Unit and Item Ratings

San Joaquin County Flood Control and Water Conservation District

Duck Creek Diversion Weir And Control Structure

Overall

I Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	Α
	Shoaling / Sedimentation	Α
	Erosion / Bank Caving	Α
	Revetments	А
	Encroachments	А
	Culverts: Inlets / Outlets	А
	Culverts: Breaks / Holes / Cracks	А
	Metal Pipes	Α
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	М
	Electric Gate Operators	N
	Manual Gate Operators	Α
	Concrete Surfaces	Α
	Concrete Tilting / Settlement	Α
	Concrete Foundations	Α
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	Α
	Monolith Joints	Α
	Safety	Α
	Operation & Maintenance Manual	Α

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2015 Structure Summary Report

Overall Unit and Item Ratings

San Joaquin County Flood Control and Water Conservation District (cont.)

Mormon Slough Pumping Plant No. 1

Overall Unit Rating	Rated Item	Item Rating
A	Operating Log	Α
	Operation & Maintenance Manual	Α
	Plant Building	Α
	Communications	Α
	Safety	Α
	Cranes	N
	Pumps	Α
	Power	Α
	Motors, Engines, Fans & Gear Reducers	Α
	Pump Control Systems	Α
	Sumps/Wet Well	Α
	Trash Racks	Α
	Trash Rakes	N
	Sluice / Slide Gates	Α
	Electric Gate Operators	N
	Manual Gate Operators	Α
	Other Metallic Items	Α
	Flap Gates	Α
	Closure Structures	N
	Security Fencing	М
	Intake and Discharge Pipes	Α

Mormon Slough Pumping Plant No. 2

Overall Unit Rating	Rated Item	Item Rating
Α	Operating Log	Α
	Operation & Maintenance Manual	Α
	Plant Building	Α
	Communications	Α
	Safety	Α
	Cranes	N
	Pumps	Α
	Power	Α
	Motors, Engines, Fans & Gear Reducers	Α
	Pump Control Systems	Α
	Sumps/Wet Well	Α
	Trash Racks	Α
	Trash Rakes	N
	Sluice / Slide Gates	Α
	Electric Gate Operators	N
	Manual Gate Operators	Α
	Other Metallic Items	Α
	Flap Gates	Α
	Closure Structures	N
	Security Fencing	Α
	Intake and Discharge Pipes	Α

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2015 Structure Summary Report

Overall Unit and Item Ratings

San Joaquin County Flood Control and Water Conservation District (cont.)

Mormon Slough Pumping Plant No. 3

verall Unit Rating	Rated Item	Item Rating
Α	Operating Log	Α
	Operation & Maintenance Manual	Α
	Plant Building	Α
	Communications	Α
	Safety	Α
	Cranes	N
	Pumps	Α
	Power	Α
	Motors, Engines, Fans & Gear Reducers	Α
	Pump Control Systems	Α
	Sumps/Wet Well	Α
	Trash Racks	Α
	Trash Rakes	N
	Sluice / Slide Gates	Α
	Electric Gate Operators	N
	Manual Gate Operators	Α
	Other Metallic Items	Α
	Flap Gates	Α
	Closure Structures	N
	Security Fencing	Α
	Intake and Discharge Pipes	Α

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Unit Cover Sheet

2015 Structure Inspection Results

San Joaquin County Flood Control and Water Conservation District

Structure	
Duck Creek Diversion Weir And Control Structure	

Structure Rating	Α
Date of Inspection	07/13/2015
DWR Inspector	Pavel Kazi
Accompanied By	Jay Jauregui SJCFC&WCD

Levee Inspection Report By Mile - Structure 2015

San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Duck Creek Diversion Weir And Control Structure		07/13/2015 07/13/2015	Pavel Kazi

LM Start	0.00	Rating **	N	Issue No.		24	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			d GPS Latitude/Longitud				
Category	Channels			Start		End	
Photo Documentation			37.9383	83 °	37.938383 °		
item	item			-120.9901	33 °	-120.990133 °	
DWR ID	DWR_NA0017_5_t _ 2013_24						
Action/Comments							

Inspector Comments: Duck Creek Diversion Structure works as a control weir for Duck Creek and also diverts the overflow of the channel to Duck Creek Diversion channel which connects with Little John Creek.

Photo 1 of 1 : ST_2015_NA	0017_5_24_20150724_00021.jpg
and the same of the same of	THE REAL PROPERTY OF THE PARTY
	AND THE STATE OF T
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Commercial I	
*	

View of the weir.

LM Start	0.00	Rating **	Α	Issue No.		2
LM End	0.00	Issue Type +	Ма	Location *		
Structures & Concrete Lined			_ined	GPS Latitude/Longitude		
Category	Channels			Start		End
Item	Vegetatio	n & Obstruction	ons	37.9383	83 °	37.938383 °
iteiii				-120.9901	33 °	-120.990133 °
DWR ID	WR ID DWR_NA0017_5_t _ 2012_2					
A ation / C and an anta						

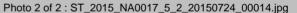
Action/Comments

Inspector Comments: There was minimal vegetation around the structure. The flow was not impeded.

Photo 1 of 2: ST_2015_NA0017_5_2_20150724_00013.jpg
A CONTRACTOR OF THE PARTY OF TH
The Marie Control of the Control
ovijanzoje

View of the vegetation looking upstream of the weir.

LM Start	0.00	Rating **	Α	Issue No.	2 (cont)
LM End	0.00	Issue Type +	Ma	Location *	





View of the vegetation looking downstream of the weir.

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected

C : Corrected

A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

& Maintain En : Enforcement

Levee Inspection Report By Mile - Structure 2015

San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Duck Creek Diversion Weir And Control Structure		07/13/2015 07/13/2015	Pavel Kazi

LM Start	0.00	Rating **	Α	Issue No.		3	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Category Structures & Concrete Lined Channels			GPS La	titud	le/Longitude	
Calegory				Start		End	
Item	Shoaling /	Shoaling / Sedimentation			83 °	37.938383	0
пеш				-120.9901	33 °	-120.990133	0
DWR ID	DWR_NA0	017_5_t _ 2012	_3				
Action/Comments							
Inspector Comments: No shoaling or sediment was present.							

No Photos

LM Start	0.00	Rating **	Α	Issue No.	4			
LM End	0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined				GPS Latitude/Longitude				
Category	Channels			Start		End		
Item	Erosion / Bank Caving			37.9383	83 °	37.938383	0	
пеш	item				33 °	-120.990133	c	
DWR ID	VR ID DWR_NA0017_5_t _ 2012_4							
Action/Comments								

Inspector Comments: No erosion or bank caving was observed.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		5
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS La	tituc	le/Longitude
Calegory				Start		End
Item	Revetmer	nts		37.93838	33 °	37.938383 °
item				-120.99013	33 °	-120.990133 °
DWR ID	DWR_NA0	017_5_t _ 2012	_5			

Action/Comments

Inspector Comments: Existing riprap protection was properly maintained.



View of the revetments looking upstream during 2015 inspection.

* Location LS : Land Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2015

San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector	
Duck Creek Diversion Weir And Control Structure		07/13/2015 07/13/2015	Pavel Kazi	

LM Start	0.00	Rating **	Α	Issue No.	5 (cont)			
LM End	0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined				GPS La	atitud	le/Longitude		
Calegory	Channels					End		
Item	Revetmer	nts		37.9383	83 °	37.938383°		
пеш				-120.9901	33 °	-120.990133 °		
DWR ID	DWR ID DWR_NA0017_5_t _ 2012_5							
Action/Comments								

Inspector Comments: Existing riprap protection was properly



View of the revetments looking upstream of the structure during 2014 inspection.

LM Start	0.00	Rating **	Α	Issue No.	6		
LM End	0.00	Issue Type +	Ma	Location *			
Catagory	Category Structures & Concrete Lined Channels			GPS La	atitud	le/Longitude	
Calegory				Start		End	
Item	Encroach	ments		37.9383	83 °	37.938383	0
пеш	item				33 °	-120.990133	0
DWR ID DWR_NA0017_5_t _ 2012_6							
		Action/	Comme	nte			

Inspector Comments: No trash or debris were found around the structure.

No Photos

LM Start	0.00	Rating **	Α	Issue No.	7			
LM End	0.00	Issue Type +	Ma	Location *				
Structures & Concrete Lined			GPS Latitude/Longitud					
Category	Category Channels			Start		End		
Item	Culverts: Inlets / Outlets			37.93838	3°	37.938383 °		
Item				-120.99013	3°	-120.990133 °		
DWR ID	DWR ID DWR_NA0017_5_t _ 2012_7							
Action/Comments								
Inspector (Inspector Comments: The culvert's inlet and outlet were free of any							



View of the outlet of the culvert.

Location LS : Land Side CR : Crown

debris.

: Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2015

San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Duck Creek Diversion Weir And Control Structure		07/13/2015 07/13/2015	Pavel Kazi

LM Start	0.00	Rating **	Α	Issue No.	7 (cont)		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Category	Channels					End	
Item	Culverts:	Inlets / Outlets	3	37.9383	83 °	37.938383 °	
пеш				-120.9901	33 °	-120.990133 °	
DWR ID DWR_NA0017_5_t _ 2012_7							
Action/Comments							

Inspector Comments: The culvert's inlet and outlet were free of any debris.



View of the intlet of the culvert

LM Start	0.00	Rating **	Α	Issue No.	8				
LM End	0.00	Issue Type +	Ma	Location *					
Structures & Concrete Lined				GPS La	tituc	de/Longitude			
Category	Channels		Start		End				
Itom	Item Culverts: Breaks / Holes / Cracks				83 °	37.938383 °			
iteiii					33 °	-120.990133 °			
DWR ID DWR_NA0017_5_t _ 2012_8									
	A stice (Common anto								

Action/Comments

Inspector Comments: No visible cracks or holes were found that would result in significant water leakage in the culvert.

LM Start	0.00 Rating **		Α	Issue No.		9		
LM End	0.00	Issue Type +	Ma	Location *				
Category Changels				GPS Latitude/Longitude				
Channels			Start		End			
Item	Metal Pipes			37.9383	83 °	37.938383	0	
item				-120.9901	33 °	-120.990133	0	
DWR ID DWR_NA0017_5_t _ 2012_9								
Action/Comments								

Inspector Comments: The corrugated pipes inside the culvert appeared to be in good condition.

No Photos

* Location LS : Land Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2015

San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Duck Creek Diversion Weir And Control Structure		07/13/2015 07/13/2015	Pavel Kazi

LM Start	0.00	Rating **	N	Issue No.		10	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Structures & Concrete Lined			GPS Latitude/Longitude			
Category	Channels			Start		End	
Item	Trash Racks			37.9383	83 °	37.938383	0
item				-120.9901	33 °	-120.990133	0
DWR ID	DWR ID DWR_NA0017_5_t _ 2012_10						
Action/Comments							
Inspector Comments: This item does not apply to this inspection.							

No Photos

Issue No. LM Start 0.00 Rating ** 0.00 Issue Type + Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start Flap Gates 37.938383° 37.938383° Item -120.990133 ° -120.990133 ° DWR ID DWR NA0017 5 t 2012 11 Action/Comments

No Photos

inspector	Comments:	ino flap gates	were present	at this structure.	

LM Start	0.00	Rating **	М	Issue No.		12	
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Sluice/Slic	de Gates		37.9383	83 °	37.938383 °	
пеш	item			-120.9901	33 °	-120.990133 °	
DWR ID DWR_NA0017_5_t _ 2012_12							
Action/Comments							

Inspector Comments: The gates appeared to be in good working condition. The screw gate needs to be maintained properly.



View of the slide gate.

Location LS : Land Side CR : Crown

A: Acceptable M: Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected

A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2015

San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Duck Creek Diversion Weir And Control Structure		07/13/2015 07/13/2015	Pavel Kazi

LM Start	0.00	Rating **	N	Issue No.	13		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined			GPS Latitude/Longitude				
Calegory	Channels			Start		End	
Item	Electric Gate Operators			37.9383	83 °	37.938383	0
пеш				-120.9901	33 °	-120.990133	0
DWR ID DWR_NA0017_5_t _ 2012_13							
Action/Comments							

Inspector Comments: No electric gate operator was found at this structure.

No Photos

Issue No. LM Start 0.00 Rating ** Α 0.00 Issue Type + Ма Location * LM End Structures & Concrete Lined GPS Latitude/Longitude Category Channels Start End Manual Gate Operators 37.938383° 37.938383° Item -120.990133 ° -120.990133 ° DWR ID DWR NA0017 5 t 2012 14

Action/Comments

Inspector Comments: The manual gate appeared to be operational.

No Photos

LM Start	0.00	Rating **	Α	Issue No.	15		
LM End	0.00	Issue Type +	Ma	Location *			
Structures & Concrete Lined				GPS Latitude/Longitude			
Calegory	Channels			Start		End	
Item	Concrete	Surfaces		37.9383	33 °	37.938383 °	
iteiii				-120.9901	33 °	-120.990133 °	
DWR ID DWR_NA0017_5_t _ 2012_15							
Action/Comments							

Inspector Comments: The concrete surfaces had minor cracking and the surface was weathered but they didn't pose any threats to the integrity of the structure.

Photo 1 of 2: ST_2015_NA0017_5_15_20150724_00019.jpg



View of the weir and the concrete surface during 2015 inspection.

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected

A/W: Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2015

San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Duck Creek Diversion Weir And Control Structure		07/13/2015 07/13/2015	Pavel Kazi

LM Start	0.00 Rating ** A			Issue No.		15 (cont)
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS La	atitud	le/Longitude	
Category	Channels		Start		End	
ltom	Concrete	Surfaces		37.9383	83 °	37.938383
item	Item			-120.9901	33 °	-120.990133 °
DWR ID DWR_NA0017_5_t _ 2012_15						
Action/Comments						

Inspector Comments: The concrete surfaces had minor cracking and the surface was weathered but they didn't pose any threats to the integrity of the structure.



View of the weir and the concrete surface during 2014 inspection.

0.00	Rating **	Α	Issue No.		16
0.00	Issue Type +	Ма	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude		
Channels			Start		End
Concrete	Tilting / Settle	ment	37.93838	3°	37.938383 °
			-120.99013	3°	-120.990133 °
DWR ID DWR_NA0017_5_t _ 2012_16					
	0.00 Structures Channels Concrete	0.00 Issue Type + Structures & Concrete I Channels Concrete Tilting / Settle	0.00 Issue Type + Ma Structures & Concrete Lined Channels Concrete Tilting / Settlement	0.00 Issue Type + Ma Location * Structures & Concrete Lined Channels Start Concrete Tilting / Settlement 37.93838 -120.99013	0.00 Issue Type + Ma Location * Structures & Concrete Lined Channels Concrete Tilting / Settlement 37.938383 ° -120.990133 °

Action/Comments

Inspector Comments: No visible sliding or settlement was found on the structure.

Nο	Photos
	1 110103

LM Start	0.00	Rating **	Α	Issue No.		17	
LM End	0.00	Issue Type +	Ма	Location *			
Catagony	Structures & Concrete Lined		GPS Latitude/Longitude		le/Longitude		
Calegory	Channels			Start		End	
Item	Concrete	Foundations		37.93838	3°	37.938383	0
пеш				-120.99013	3°	-120.990133	0
DWR ID	DWR_NA0	017_5_t _ 2012	_17				
		Action/	Commer	nts			

Inspector Comments: No scouring or erosion was found near the structure.

No Photos

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2015

San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Duck Creek Diversion Weir And Control Structure		07/13/2015 07/13/2015	Pavel Kazi

LM Start	0.00	Rating **	N	Issue No.		18
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels		Start		End	
Item	Security F	encing		37.93838	33 °	37.938383 °
пеш				-120.99013	33 °	-120.990133 °
DWR ID	DWR_NA0	017_5_t _ 2012	_18			
	Action/Comments					

Inspector Comments: No security fence was found in this structure.

LM Start	0.00	Rating **	N	Issue No.		19	
LM End	0.00	Issue Type +	Ma	Location *			
Category		& Concrete	Lined	GPS La	atitud	le/Longitude	
Calegory	Channels			Start		End	
Item	Closure S	tructures		37.9383	83 °	37.938383	0
пеш				-120.9901	33 °	-120.990133	0
DWR ID	DWR_NA0	017_5_t _ 2012	_19				
		A - 1'	<u></u>				

Action/Comments

Inspector Comments: This item does not apply to this inspection.

No	Photos

No Photos

No Photos

LM Start	0.00	Rating **	N	Issue No.		20	
LM End	0.00	Issue Type +	Ma	Location *			
Category	& Concrete I	Lined	GPS Latitude/Longitude				
Category	Channels	annels Start End			End		
Item	Trash Ral	res		37.9383	33 °	37.938383 °	
пеш				-120.9901	33 °	-120.990133 °	
DWR ID	DWR ID DWR_NA0017_5_t _ 2012_20						
	Action/Comments						

Inspector Comments: Trash rakes don't exist on this structure.

* Location LS : Land Side WS: Water Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2015

San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Duck Creek Diversion Weir And Control Structure		07/13/2015 07/13/2015	Pavel Kazi

LM Start	0.00	Rating **	Α	Issue No.		21	
LM End	0.00	Issue Type +	Ma	Location *			
Catagory	Structures & Concrete Lined			GPS Latitude/Longitude			
Calegory	Channels	S Start		End			
Item	Other Met	allic Items		37.9383	83 °	37.938383	0
пеш				-120.9901	33 °	-120.990133	0
DWR ID	DWR_NA0	017_5_t _ 2012	_21				
		Action/	Comme	nts			

Inspector Comments: All metal parts appeared to be in good condition.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		22
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined		GPS Latitude/Longitude		e/Longitude	
Calegory	Channels			Start		End
Item	Monolith J	Joints		37.93838	33 °	37.938383 °
пеш				-120.99013	33 °	-120.990133 °
DWR ID	DWR_NA0	017_5_t _ 2012	_22			
		A .:	_			

Action/Comments

Inspector Comments: All the monolith joint materials appeared to be in good condition.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		23	
LM End	0.00	Issue Type +	Ма	Location *			
Category	atituc	le/Longitude					
Calegory	Channels Start End				End		
Item	Safety			37.9383	83 °	37.938383	
item				-120.9901	33 °	-120.990133	
DWR ID DWR_NA0017_5_t _ 2012_23							
	Action/Comments						

Inspector Comments: The wood railing top of the culvert appeared to provide adequate protection against fall hazards.



View of the railing top of the culvert.

* Location LS : Land Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2015

San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector	
Duck Creek Diversion Weir And Control Structure		07/13/2015 07/13/2015	Pavel Kazi	

LM Start	0.00	Rating **	Α	Issue No.		1
LM End	0.00	Issue Type +	Ma	Location *		
Structures & Concrete Lined			GPS Latitude/Longitude			
Category	Channels			Start		End
Item	Operation & Maintenance			37.93838	33 °	37.938383 °
item	Manual			-120.99013	33 °	-120.990133 °
DWR ID	DWR ID DWR_NA0017_5_t _ 2013_1					
		Action/	Comme	nts		
Inspector	Comments	: The LMA ha	s the pro	oper O&M m	nanı	uals.

No Photos

* Location LS : Land Side CR : Crown

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Unit Cover Sheet

2015 Pumping Plant Inspection Results

San Joaquin County Flood Control and Water Conservation District

Pumping Plant	
Mormon Slough Pumping Plant No. 1	

Pumping Plant Rating	Α
Date of Inspection	07/16/2015
DWR Inspector	Pavel Kazi
Accompanied By	Jay Jauregui SJCFC&WCD

Levee Inspection Report By Mile - Structure 2015

San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Mormon Slough Pumping Plant No. 1		07/16/2015 07/16/2015	Pavel Kazi

LM Start	0.00	Rating **	Α	Issue No.		1
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
Calegory			Start		End	
Item	Operating Log			37.9896	33 °	37.989633 °
пеш				-121.2669	33 °	-121.266933 °
DWR ID DWR_NA0017_18_t _ 2012_1						
Action/Comments						

Inspector Comments: Operating log was maintained and present at the pumping plant.



View of the operation log in the plant.

LM Start	0.00	Rating **	Α	Issue No.	2		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Pump Stations			GPS Latitude/Longitude			
Calegory			Start		End		
Item	Operation & Maintenance Manual			37.98963	33 °	37.989633 °	
iteiii				-121.26693	33 °	-121.266933 °	
DWR ID DWR_NA0017_18_t _ 2012_2							
Action/Comments							

Inspector Comments: The O&M Manual was located next to the operating log.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		3	
LM End	0.00	Issue Type +	Ма	Location *			
Category	Pump Stations			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Plant Building			37.9896	33 °	37.989633	>
пеш		-121.2669	33 °	-121.266933 °	>		
DWR ID	ID DWR_NA0017_18_t _ 2012_3						
Action/Comments							

Inspector Comments: The plant building was in good structural condition.



View of the pumping plant.

* Location LS : Land Side CR : Crown

: Acceptable : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2015

San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Mormon Slough Pumping Plant No. 1		07/16/2015 07/16/2015	Pavel Kazi

LM Start	0.00	Rating **	Α	Issue No.		4	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Pump Stations			GPS Latitude/Longitude			
Calegory				Start		End	
Item	Communications			37.9896	33 °	37.989633	0
item				-121.26693	33 °	-121.266933	0
DWR ID	DWR_NA0017_18_t _ 2012_4						
Action/Comments							

Inspector Comments: District personnel carry cell phones for communication.

No Photos

Rating ** Issue No. LM Start 0.00 0.00 Issue Type + Ма Location * LM End **Pump Stations** GPS Latitude/Longitude Category Start End Safety 37.989633° 37.989633° Item -121.266933 ° -121.266933 ° DWR ID DWR_NA0017_18_t _ 2012_5

Action/Comments

Inspector Comments: There were no safety hazards found around the structure and the guard rails around the structure were in good condition.



View of the guard rails around the plant.

LM Start	0.00	Rating **	N	Issue No.	6		
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations				GPS Latitude/Longitu			
Calegory	Category			Start		End	
Item	Cranes			37.98963	3 °	37.989633 °	
пеш				-121.26693	3 °	-121.266933 °	
DWR ID	DWR ID DWR_NA0017_18_t _ 2012_6						
Action/Comments							

Inspector Comments: No crane was present at this plant.

No Photos

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2015

San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Mormon Slough Pumping Plant No. 1		07/16/2015 07/16/2015	Pavel Kazi

LM Start	0.00	Rating **	Α	Issue No.		7
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
Calegory				Start		End
Item	Pumps			37.98963	33 °	37.989633 °
item				-121.26693	33 °	-121.266933 °
DWR ID	DWR_NA0017_18_t _ 2012_7					
Action/Comments						

Inspector Comments: All pumps appeared to be in working condition and they were maintained, lubricated and tested periodically.

LM Start	0.00	Rating **	Α	Issue No.	7 (cont)
I M End	0.00	Issue Type +	Ma	Location *	



View of one of the pump inside the plant.

Photo 2 of 3: ST_2015_NA0017_18_7_20150720_00018.jpg



View of another pump inside the plant.

LM Start	0.00	Rating **	Α	Issue No.	7 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of the metalic shaft below a pump inside the plant.

* Location LS : Land Side CR : Crown

: Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated

A/W: Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2015

San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Mormon Slough Pumping Plant No. 1		07/16/2015 07/16/2015	Pavel Kazi

LM Start	0.00	Rating **	Α	Issue No.		8	
LM End	0.00	Issue Type +	Ma	Location *			
Category	tions	GPS Latitude/Longitude					
Calegory				Start		End	
Item	Power			37.9896	33 °	37.989633 °	
item				-121.2669	33 °	-121.266933 °	
DWR ID DWR_NA0017_18_t _ 2012_8							
	Action/Comments						

Inspector Comments: The power source appeared to be safe and



View of the power source next to the pumping plant.

LM Start	0.00	Rating **	Α	Issue No.		10	
LM End	0.00	Issue Type +	Ма	Location *			
Category	tions		GPS La	titud	le/Longitude		
Calegory				Start		End	
Item		ngines, Fans	& Gear	37.9896	33 °	37.989633	0
пеш	Reducers			-121.2669	33 °	-121.266933	0
DWR ID	DWR_NA0017_18_t _ 2012_10						
	Action/Comments						

Inspector Comments: The vent fan was operational.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		11	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Catagonia Pump Stations			GPS Latitude/Longitude			
Category				Start		End	
Item	Pump Co	ntrol Systems		37.98963	3°	37.989633	0
пеш			-121.26693	3°	-121.266933	0	
DWR ID	ID DWR_NA0017_18_t _ 2012_11						
	Action/Comments						

Inspector Comments: The pump control systems were maintained properly and appeared to be free of damage eventhough vandalism occurred a few months ago.



View of the pump control system inside the plant.

* Location LS : Land Side CR : Crown

: Acceptable : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated : Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2015

San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Mormon Slough Pumping Plant No. 1		07/16/2015 07/16/2015	Pavel Kazi

LM Start	0.00	Rating **	Α	Issue No.	12	
LM End	0.00	Issue Type +	Ма	Location *		
Category	tions	GPS Latitude/Longitude				
Calegory	Start End					
Item	Sumps/W	et Well		37.98963	33 °	37.989633 °
пеш				-121.26693	33 °	-121.266933 °
DWR ID DWR_NA0017_18_t _ 2012_12						
	Action/Comments					

Inspector Comments: The wet well was completely dry and very little debris was present during inspection.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		13					
LM End	0.00	Issue Type +	Ma	Location *							
Catagony	tions	GPS Latitude/Longitude									
Category				Start		End					
Item	Trash Rad	cks		37.98963	33 °	37.989633 °					
пеш	-121.266933 ° -121.26693					-121.266933 °					
DWR ID DWR_NA0017_18_t _ 2012_13											
			_	1 1 10							

Action/Comments

Inspector Comments: Trash racks were properly maintained and clear of debris.



Photo 1 of 1: ST_2015_NA0017_18_13_20150720_00021.jpg

View of the trash racks.

LM Start	0.00	Rating **	N	Issue No.		14	
LM End	0.00	Issue Type +	Ma	Location *			
Category	tions	GPS Latitude/Longitude					
Category	Start End					End	
Item	Trash Ral	ces		37.98963	3°	37.989633 °	
пеш				-121.26693	3°	-121.266933 °	
DWR ID DWR_NA0017_18_t _ 2012_14							
	Action/Comments						

Inspector Comments: Trash rakes don't exist at this plant.

No Photos

* Location LS : Land Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2015

San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Mormon Slough Pumping Plant No. 1		07/16/2015 07/16/2015	Pavel Kazi

LM Start	0.00	Rating **	Α	Issue No.		15
LM End	0.00	Issue Type +	Ma	Location *		
Category	tions		GPS Latitude/Longitude			
Calegory	Category				Start End	
Item	Sluice / Slide Gates			37.98963	33 °	37.989633
пеш				-121.26693	33 °	-121.266933 °
DWR ID	DWR_NA0	017_18_t _ 201	2_15			
Action/Comments						
Inspector (Inspector Comments: The slide gate appeared to be in good condition.					



View of the slide gate.

LM Start	0.00	Rating **	N	Issue No.		16	
LM End	0.00	Issue Type +	Ма	Location *			
Catagonia Pump Stations				GPS Latitude/Longitude			
Category				Start		End	
Item	Electric G	ate Operators	i	37.98963	3°	37.989633 °	
iteiii			-121.26693	3°	-121.266933 °		
DWR ID DWR_NA0017_18_t _ 2012_16							
	Action/Comments						

Inspector Comments: The item does not apply to the pumping plant.

No Photos

LM Start	0.00	Rating **	Α	Issue No.	17			
LM End	0.00	Issue Type +	Ма	Location *				
Category Pump Stations			GPS Latitude/Longitude					
Calegory				Start		End		
Item	Manual G	ate Operators	i	37.98963	3°	37.989633 °		
item				-121.26693	3°	-121.266933 °		
DWR ID DWR_NA0017_18_t _ 2012_17								
	Action/Comments							

Inspector Comments: Manual gate operator was in good operational condition.

No Photos

* Location LS : Land Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2015

San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Mormon Slough Pumping Plant No. 1		07/16/2015 07/16/2015	Pavel Kazi

LM Start	0.00	Rating **	Α	Issue No.	18		
LM End	0.00	Issue Type +	Ma	Location *			
Pump Stations			GPS La	titud	le/Longitude		
Calegory	Category			Start		End	
Itom	Other Met	allic Items		37.98963	33 °	37.989633 °	
Item				-121.26693	33 °	-121.266933 °	
DWR ID	LID DWR_NA0017_18_t _ 2012_18						
	Action/Comments						

Inspector Comments: All metal parts appeared to be in good condition.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		19	
LM End	0.00	Issue Type +	Ma	Location *			
Pump Stations			GPS Latitude/Longitude				
Category				Start		End	
Item	Flap Gate	Flap Gates			33 °	37.989633	٥
пеш	em			-121.26693	33 °	-121.266933	0
DWR ID DWR_NA0017_18_t _ 2012_19							

Action/Comments

Inspector Comments: The flap gates appeared to be in good working condition.



View of the flap gates.

LM Start	0.00	Rating **	N	Issue No.	20		
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations			GPS Latitude/Longitude				
Category						End	
Item	Closure S	tructures		37.989633 °		37.989633 °	
пеш				-121.26693	33 °	-121.266933 °	
DWR ID	DWR ID DWR_NA0017_18_t _ 2012_20						
	Action/Comments						

Inspector Comments: No closure structure was present at this plant.

No Photos

* Location LS : Land Side CR : Crown

Friday, August 28, 2015 11:41

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2015

San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Mormon Slough Pumping Plant No. 1		07/16/2015 07/16/2015	Pavel Kazi

LM Start	0.00	Rating **	М	Issue No.		21	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Pump Stations			GPS Latitude/Longitude			
Calegory			Start		End		
Security Fencing				37.989633 °		37.989633 °	
пеш				-121.26693	33 °	-121.266933 °	
DWR ID DWR_NA0017_18_t _ 2012_21							
Action/Comments							
Inapactor (Commonto	· Coourity for	oina onn	cared to be	in	rood condition	

Inspector Comments: Security fencing appeared to be in good condition.



View of the security fence around the pumping plant.

LM Start	0.00	Rating **	Α	Issue No.	22		
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations			GPS Latitude/Longitude				
Calegory				Start	End		
Item	Intake and	d Discharge P	ipes	37.9896	33 °	37.989633	0
пеш				-121.2669	33 °	-121.266933	0
DWR ID	R ID DWR_NA0017_18_t _ 2012_22						
Action/Comments							

Inspector Comments: The pipes appeared to be in good working condition.

No Photos

Unit Cover Sheet

2015 Pumping Plant Inspection Results

San Joaquin County Flood Control and Water Conservation District

Pumping Plant	
Mormon Slough Pumping Plant No. 2	

Pumping Plant Rating	Α
Date of Inspection	07/16/2015
DWR Inspector	Pavel Kazi
Accompanied By	Jay Jauregui SJCFC&WCD

Levee Inspection Report By Mile - Structure 2015

San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Mormon Slough Pumping Plant No. 2		07/16/2015 07/16/2015	Pavel Kazi

LM Start	0.00	Rating **	Α	Issue No.		1
LM End	0.00	Issue Type +	Ma	Location *		
Pump Stations			GPS Latitude/Longitude			
Category			Start		End	
Itom	Operating	Log		37.982317°		37.982317 °
Item ' 5 5				-121.249433 °		-121.249433 °
DWR ID DWR_NA0017_19_t _ 2012_1						
Action/Comments						

Inspector Comments: Operational log was present at the pump station.



View of the operation log inside the pumping plant.

LM Start	0.00	Rating **	Α	Issue No.	2	
LM End	0.00	Issue Type +	Ma	Location *		
Category Pump Stations				GPS Latitude/Longitude		
Calegory			Start		End	
Item	Operation & Maintenance			37.9823	17°	37.982317 °
item	Manual			-121.2494	33 °	-121.249433 °
DWR ID DWR_NA0017_19_t _ 2012_2						
Action/Comments						

Inspector Comments: O&M Manual was found inside the plant during the inspection.



View of the O&M manual inside the pumping plant.

LM Start	0.00	Rating **	Α	Issue No.		3	
LM End	0.00	Issue Type +	Ma	Location *			
Category	tions	GPS Latitude/Longitude					
Category				Start		End	
Item	Plant Build	ding		37.982317°		37.982317	
item				-121.2494	33 °	-121.249433	
DWR ID DWR_NA0017_19_t _ 2012_3							
Action/Comments							

Inspector Comments: The plant building was in good structural condition without any major deficiencies.



View of the pumping plant.

* Location
LS: Land Side
WS: Water Side
CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

tain En : Enforcement

Levee Inspection Report By Mile - Structure 2015

San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Mormon Slough Pumping Plant No. 2		07/16/2015 07/16/2015	Pavel Kazi

LM Start	0.00	Rating **	Α	Issue No.	4		
LM End	0.00	Issue Type +	Ma	Location *			
Category	tions	GPS Latitude/Longitude					
Calegory	Category					End	
Item	Communi	cations		37.9823	17°	37.982317 °	
пеш				-121.2494	33 °	-121.249433 °	
DWR ID	DWR ID DWR_NA0017_19_t _ 2012_4						
		Action/	Comme	nts			

Inspector Comments: District personnel carry cell phones.

No Photos

Rating ** Issue No. LM Start 0.00 0.00 Issue Type + Ма Location * LM End **Pump Stations** GPS Latitude/Longitude Category Start End Safety 37.982317° 37.982317° Item -121.249433 ° -121.249433 ° DWR ID DWR NA0017 19 t 2012 5

Action/Comments

Inspector Comments: No safety hazard was found around the structure. All hand rails were in working condition.



View of the hand rails around the pumping plant.

LM Start	0.00	Rating **	N	Issue No.		6	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Pump Sta	tions	GPS Latitude/Longitude				
Category				Start		End	
Item	Cranes			37.9823	17°	37.982317	٥
пеш				-121.2494	33 °	-121.249433	۰
DWR ID DWR_NA0017_19_t _ 2012_6							
Action/Comments							

Inspector Comments: No crane exists at this plant.

No Photos

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2015

San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Mormon Slough Pumping Plant No. 2		07/16/2015 07/16/2015	Pavel Kazi

LM Start	0.00	Rating **	Issue No.		7		
LM End	0.00	Issue Type +	Ma	Location *			
Category	tions	GPS Latitude/Longitude					
Category				Start		End	
Item	Pumps			37.9823	17°	37.982317 °	
item				-121.24943	33 °	-121.249433 °	
DWR ID DWR_NA0017_19_t _ 2012_7							
	Action/Comments						

Inspector Comments: The pumps appeared to be well maintained and lubricated properly and the pumping system was tested periodically.

LM Start	0.00	Rating **	Α	Issue No.	7 (cont)
I M End	0.00	Issue Type +	Ma	Location *	



View of the pumps inside the plant.

Photo 2 of 3: ST_2015_NA0017_19_7_20150720_00017.jpg



View of the lubrication indicator on one of the pumps inside the plant.

Photo 3 of 3: ST_2015_NA0017_19_7_20150720_00018.jpg

LM Start	0.00	Rating **	Α	Issue No.	7 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of below a pump inside the plant.

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2015

San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Mormon Slough Pumping Plant No. 2		07/16/2015 07/16/2015	Pavel Kazi

LM Start	0.00	Rating **	Α	Issue No.		8		
LM End	0.00	Issue Type +	Ma	Location *				
Category Pump Stations				GPS Latitude/Longitude				
Calegory				Start		End		
Item	Power			37.9823	17°	37.982317	0	
пеш				-121.2494	33 °	-121.249433	0	
DWR ID	DWR_NA0	_NA0017_19_t _ 2012_8						
Action/Comments								

Inspector Comments: The power source appeared to be safe and reliable.

No Photos

Issue No. LM Start 0.00 Rating ** 10 0.00 Issue Type + Ма Location * LM End **Pump Stations** GPS Latitude/Longitude Category Start End Motors, Engines, Fans & Gear 37.982317° 37.982317° Item Reducers -121.249433 ° -121.249433 ° DWR ID DWR NA0017 19 t 2012 10

Action/Comments

Inspector Comments: The vent fan was operational during the inspection.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		11		
LM End	0.00	Issue Type +	Ma	Location *				
Category	Pump Sta	itions	GPS Latitude/Longitude					
Category				Start		End		
Item	Pump Control Systems			37.98231	7 °	37.982317 °		
item				-121.24943	3 °	-121.249433 °		
DWR ID	DWR ID DWR_NA0017_19_t _ 2012_11							
	Action/Comments							

Inspector Comments: The pump control system was maintained to be free of corrosion or any damage.



View of the power control system.

* Location LS : Land Side CR : Crown

: Acceptable : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated : Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2015

San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Mormon Slough Pumping Plant No. 2		07/16/2015 07/16/2015	Pavel Kazi

LM Start	0.00	Rating **	Α	Issue No.	12		
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations				GPS Latitude/Longitude			
Category				Start		End	
Item	Sumps/W	et Well		37.9823	17°	37.982317 °	
item			-121.2494	33 °	-121.249433 °		
DWR ID DWR_NA0017_19_t _ 2012_12							
Action/Comments							

Inspector Comments: The wet well appeared to be clear of excessive debris or sediments.



View of the wet well.

LM Start	0.00	Rating **	Α	Issue No.		13
LM End	0.00	Issue Type +	Ма	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
Calegory				Start		End
Item	Trash Rad	cks		37.9823	17°	37.982317 °
item			-121.2494	33 °	-121.249433 °	
DWR ID	DWR_NA0	017_19_t _ 201	2_13			

Action/Comments

Inspector Comments: Trash racks were properly maintained and free of any debris.



View of the trash racks.

LM Start	0.00	Rating **	N	Issue No.		14	
LM End	0.00	Issue Type +	Ma	Location *			
Category Pump Stations			GPS Latitude/Longitude				
Category	Category			Start		End	
Item	Trash Ral	kes		37.9823	17°	37.982317	0
Item				-121.2494	33 °	-121.249433	٥
DWR ID	DWR_NA0	017_19_t _ 201	2_14				
		Action/	Comme	nts			

Inspector Comments: Trash rakes are not installed in this facility.

No Photos

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2015

San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Mormon Slough Pumping Plant No. 2		07/16/2015 07/16/2015	Pavel Kazi

LM Start	0.00	Rating **	Α	Issue No.	15	
LM End	0.00	Issue Type +	Ma	Location *		
Category Pump Stations				GPS La	atitud	e/Longitude
Category			Start		End	
Item	Sluice / S	lide Gates		37.9823	17 °	37.982317 °
пеш				-121.2494	33 °	-121.249433 °
DWR ID	DWR_NA0	017_19_t _ 201	2_15			
Action/Comments						
l	^ t -	. The allide are				ation of

Inspector Comments: The slide gate appeared to be operational.



View of the slide gate.

LM Start	0.00	Rating **	N	Issue No.	16		
LM End	0.00	Issue Type +	Ма	Location *			
Category Pump Stations			GPS Latitude/Longitude				
Category			Start		End		
Item	Electric G	ate Operators	i	37.98231	7 °	37.982317 °	
Item			-121.24943	3°	-121.249433 °		
DWR ID	DWR_NA0	017_19_t _ 201	2_16				
	Action/Comments						

Inspector Comments: This item was not present at this location.

No Photos

LM Start	0.00	Rating **	Α	Issue No.	17		
LM End	0.00	Issue Type +	Ма	Location *			
Category	Pump Stations			GPS Latitude/Longitude			
Calegory			Start		End		
Item	Manual G	ate Operators	i	37.98231	7 °	37.982317 °	
Item			-121.24943	3°	-121.249433 °		
DWR ID	DWR_NA0	017_19_t _ 201	2_17			·	
	Action/Comments						

Inspector Comments: Manual gate operator appeared to be in good condition.

No Photos

* Location LS : Land Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2015

San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Mormon Slough Pumping Plant No. 2		07/16/2015 07/16/2015	Pavel Kazi

LM Start	0.00	Rating **	Α	Issue No.	18		
LM End	0.00	Issue Type +	Ma	Location *			
Catagon/ Pump Stations				GPS Latitude/Longitude			
Calegory	Category			Start		End	
Itom	Other Met	allic Items		37.9823	17°	37.982317 °	
пеш	Item				33 °	-121.249433 °	
DWR ID	DWR_NA0017_19_t _ 2012_18						
	Action/Comments						

Inspector Comments: All the metal parts appeared to be in good condition.

No Photos

Rating ** Issue No. LM Start 0.00 19 Issue Type + 0.00 Ма Location * LM End **Pump Stations** GPS Latitude/Longitude Category Start End Flap Gates 37.982317° 37.982317° Item -121.249433 ° -121.249433 ° DWR ID DWR NA0017 19 t 2012 19

Action/Comments

Inspector Comments: Flap gates were in good condition and showed no damage.



View of the flap gates.

LM Start	0.00	Rating **	N	Issue No.		20	
LM End	0.00	Issue Type +	Ma	Location *			
Category	Pump Sta	tions		GPS La	atitud	le/Longitude	
Category	Category		Start		End		
Item	Closure S	tructures		37.9823	17°	37.982317	0
Item				-121.2494	33 °	-121.249433	0
DWR ID	DWR_NA0	017_19_t _ 201	2_20				
		Action/	Comme	nts			

Inspector Comments: No closure structure was present at this plant.

No Photos

* Location LS : Land Side CR : Crown

Friday, August 28, 2015 11:41

: Acceptable

: Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated A/W: Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2015

San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Mormon Slough Pumping Plant No. 2		07/16/2015 07/16/2015	Pavel Kazi

LM Start	0.00	Rating **	Α	Issue No.	21		
LM End	0.00	Issue Type +	Ма	Location *			
Category	Pump Stations			GPS Latitude/Longitude			
Calegory			Start		End		
Item	Security Fencing			37.9823	17 °	37.982317 °	
пеш			-121.249433 °		-121.249433 °		
DWR ID	DWR_NA0			·			
Action/Comments							

Inspector Comments: Security fencing was in good condition without any damage.



View of the security fencing.

LM Start	0.00	Rating **	Α	Issue No.	22	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
Calegory				Start		End
Item	Intake and Discharge Pipes			37.9823	17°	37.982317 °
item				-121.2494	33 °	-121.249433 °
DWR ID	DWR_NA0017_19_t _ 2013_22					
		Action/	Comme	nts		

Inspector Comments: The pipes were free of any breaks, holes or cracks.

No Photos

* Location LS : Land Side CR : Crown

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Unit Cover Sheet

2015 Pumping Plant Inspection Results

San Joaquin County Flood Control and Water Conservation District

Pumping Plant	
Mormon Slough Pumping Plant No. 3	

Pumping Plant Rating	A
Date of Inspection	07/15/2015
DWR Inspector	Pavel Kazi
Accompanied By	Jay Jauregui SJCFC&WCD

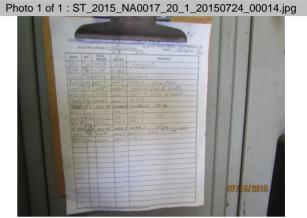
Levee Inspection Report By Mile - Structure 2015

San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Mormon Slough Pumping Plant No. 3		07/15/2015 07/15/2015	Pavel Kazi

LM Start	0.00	Rating **	Α	Issue No.	1			
LM End	0.00	Issue Type +	Ma	Location *				
Category	Pump Stations			GPS Latitude/Longitude				
Calegory			Start		End			
Item	Operating Log			37.9739	83 °	37.973983 °		
item			-121.229967 °		-121.229967 °			
DWR ID	DWR_NA0017_20_t _ 2012_1							
	Action/Comments							

Inspector Comments: Maintenance log was present at the pumping plant.



View of the operating log inside the plant.

LM Start	0.00	Rating **	Α	Issue No.	2		
LM End	0.00	Issue Type +	Ma	Location *			
Catagony	Pump Sta	GPS Latitude/Longitude					
Category		Start		End			
Item	Operation & Maintenance			37.9739	83 °	37.973983	٥
iteiii	Manual	-121.2299	67 °	-121.229967	٥		
DWR ID	DWR_NA0017_20_t _ 2012_2						٦
		Action/	Comme	nts			

Inspector Comments: The O&M Manual was present at the pumping plant next to the operating log.



View of the O&M manual inside the pumping plant.

LM Start	0.00	Rating **	Α	Issue No.	3		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Pump Stations			GPS Latitude/Longitude			
Category			Start		End		
Item	Plant Building			37.9739	83 °	37.973983	0
item		-121.2299	67 °	-121.229967	0		
DWR ID	DWR_NA0						
Action/Comments							

Inspector Comments: The plant building appeared to be in good structural condition.



View of the pumping plant.

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

Monitor & Maintain En : Enforcement

Levee Inspection Report By Mile - Structure 2015

San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Mormon Slough Pumping Plant No. 3		07/15/2015 07/15/2015	Pavel Kazi

LM Start	0.00	Rating **	Α	Issue No.	4			
LM End	0.00	Issue Type +	Ma	Location *				
Category	Pump Stations			GPS Latitude/Longitude				
Calegory		Start		End				
Item	Communications			37.9739	83 °	37.973983	0	
пеш				-121.2299	67 °	-121.229967	0	
DWR ID	DWR_NA0017_20_t _ 2012_4							
	Action/Comments							

Inspector Comments: The district personnel carry cell phones.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		5
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
Calegory			Start		End	
Item	Safety			37.9739	33 °	37.973983 °
item				-121.2299	67°	-121.229967 °
DWR ID	DWR_NA0	017_20_t _ 201	2_5			

Action/Comments

Inspector Comments: No safety hazard was found around the pumping plant and guard rails around the plant were in a good condition.

Photo 1 of 1: ST_2015_NA0017_20_5_20150724_00017.jpg



View of the guard rails around the pumping plant.

LM Start	0.00	Rating **	N	Issue No.	6				
LM End	0.00	Issue Type +	Ma	Location *					
Category	Pump Stations			GPS Lat	tud	e/Longitude			
				Start		End			
Item	Cranes			37.97398	3°	37.973983	0		
item		-121.22996	7 °	-121.229967	0				
DWR ID	DWR_NA0017_20_t _ 2012_6								
	Action/Comments								

Inspector Comments: There are no cranes in this plant.

No Photos

* Location LS : Land Side CR : Crown

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2015

San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Mormon Slough Pumping Plant No. 3		07/15/2015 07/15/2015	Pavel Kazi

LM Start	0.00	Rating **	Α	Issue No.	7		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Pump Sta	GPS Latitude/Longitude					
Calegory				Start		End	
Item	Pumps			37.9739	83 °	37.973983 °	
item			-121.2299	67°	-121.229967 °		
DWR ID	DWR_NA0	2_7		,			
Action/Comments							

Inspector Comments: All pumps appeared to be in good condition and maintained properly.

LM Start	0.00	Rating **	Α	Issue No.	7 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of one of the two pumps inside the pumping plant.

Photo 2 of 3: ST_2015_NA0017_20_7_20150724_00019.jpg



View of another pump inside the pumping plant.

LM Start	0.00	Rating **	Α	Issue No.	7 (cont)
LM End	0.00	Issue Type +	Ma	Location *	



View of bottom of a pump inside the plant.

* Location LS : Land Side WS : Water Side CR : Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

ntain En : Enforcement

Levee Inspection Report By Mile - Structure 2015

San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Mormon Slough Pumping Plant No. 3		07/15/2015 07/15/2015	Pavel Kazi

LM Start	0.00	Rating **	Α	Issue No.		8
LM End	0.00	Issue Type +	Ma	Location *		
Catagony	Category Pump Stations			GPS Latitude/Longitude		
Calegory			Start		End	
Power				37.9739	83 °	37.973983
item			-121.229967 °		-121.229967	
DWR ID	DWR ID DWR_NA0017_20_t _ 2012_8					
Action/Comments						
1	<u> </u>	Th				- (

Inspector Comments: The power source appeared to be safe and reliable.



View of the power source for the pumping plant.

LM Start	0.00				10		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Pump Sta		GPS La	titud	le/Longitude		
Calegory				Start		End	
Motors, Engines, Fans & Gear			& Gear	37.9739	83 °	37.973983 °	
пеш	Reducers			-121.2299	67°	-121.229967 °	
DWR ID	DWR_NA0017_20_t _ 2012_10						
Action/Comments							

Inspector Comments: Pumping motors appeared to be operational and lubrication was maintained on all the pumps.

No Photos

LM Start	0.00	Rating **	Α	Issue No.	11		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Pump Sta	GPS Latitude/Longitude					
Category				Start		End	
Item	Pump Control Systems			37.9739	83 °	37.973983	0
пеш				-121.2299	67°	-121.229967	0
DWR ID	DWR_NA0	017_20_t _ 201	2_11				
Action/Comments							

Inspector Comments: The pump control system appeared to be operational and free of damage.



View of the power control systems inside the plant.

* Location LS : Land Side CR : Crown

: Acceptable : Minimally Acceptable U : Unacceptable

N: Not Inspected/Rated C : Corrected A/W: Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence

Levee Inspection Report By Mile - Structure 2015

San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Mormon Slough Pumping Plant No. 3		07/15/2015 07/15/2015	Pavel Kazi

LM Start	0.00	Rating **	Α	Issue No.	12		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Pump Sta	GPS Latitude/Longitude					
Calegory				Start		End	
Item	Sumps/W	Sumps/Wet Well			33 °	37.973983 °	
item			-121.229967 °		-121.229967 °		
DWR ID	DWR_NA0017_20_t _ 2012_12						
Action/Comments							
Inspector (Comments	· Wet well wa	s clear c	f any exces	sive	debris	



View of wet well.

LM Start	0.00	Rating **	Α	Issue No.	13		
LM End	0.00	Issue Type +	Ma	Location *			
Category	Pump Sta	GPS Latitude/Longitude					
Calegory			Start		End		
Item	Trash Racks			37.9739	83 °	37.973983	
item			-121.229967 °		-121.229967 [°]		
DWR ID	R ID DWR_NA0017_20_t _ 2012_13						
Action/Comments							

Inspector Comments: The trash racks were free of any debris.



View of the trash racks.

LM Start 0.00 Rating ** N Issue No. 14 LM End 0.00 Issue Type + Ma Location * Category Pump Stations GPS Latitue/Longitude Start End 37.973983 ° 37.973983 ° 37.973983 ° -121.229967 ° -121.229967 ° -121.229967 ° DWR ID DWR_NA0017_20_t _ 2012_14 Action/Comments Inspector Comments: This item does not exist at this location.								
LM End 0.00 Issue Type + Ma Location * Category Pump Stations GPS Latitude/Longitude Item Trash Rakes 37.973983 ° 37.973983 ° 37.973983 ° 121.229967 ° -121.22996								
Category Pump Stations GPS Latitude/Longitude Start End Trash Rakes 37.973983 ° 37.973983 ° -121.229967 ° -121.229967 ° DWR ID DWR_NA0017_20_t _ 2012_14 Action/Comments	LM Start	0.00	Rating **	N	Issue No.		14	
Category Start End Item 37.973983 ° 37.973983 ° 37.973983 ° -121.229967 °	LM End	0.00	Issue Type +	Ma	Location *			
Item Start End DWR ID 37.973983 37.973983 -121.229967 -121.229967 DWR_NA0017_20_t _ 2012_14 Action/Comments	Category	Pump Sta	itions	GPS La	atitud	de/Longitude		
Tem -121.229967 -121.229	Calegory				Start		End	
-121.229967 o -121.229967 o DWR_NA0017_20_t _ 2012_14	Item	Trash Ral	ash Rakes			83 °	37.973983	0
Action/Comments	itom				-121.2299	67°	-121.229967	0
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	DWR ID	DWR_NA0017_20_t _ 2012_14						
Inspector Comments: This item does not exist at this location.	Action/Comments							
	Inspector Comments: This item does not exist at this location.							

No Photos

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Structure 2015

San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Mormon Slough Pumping Plant No. 3		07/15/2015 07/15/2015	Pavel Kazi

LM Start	0.00	Rating **	Α	Issue No.		15		
LM End	0.00	Issue Type +	Ма	Location *				
Category Pump Stations			GPS Latitude/Longitude					
Calegory						End		
Sluice / Slide Gates				37.9739	83 °	37.973983 °		
Item					67 °	-121.229967 °		
DWR ID	DWR ID DWR_NA0017_20_t _ 2012_15							
Action/Comments								

Inspector Comments: Slide gates appeared to be free of sediment and obstructions.



View of the slide gate.

LM Start	0.00	Rating **	N	Issue No.		16		
LM End	0.00	Issue Type +	Ma	Location *				
Category	Pump Stations			GPS Latitude/Longitude				
Calegory				Start		End		
Item	Electric Gate Operators			37.97398	33 °	37.973983	0	
пеш		-121.22996	67°	-121.229967	0			
DWR ID DWR_NA0017_20_t _ 2012_16								
Action/Comments								

Inspector Comments: This item does not exist at this location.

No Photos

LM Start	0.00	Rating **	Α	Issue No.	17			
LM End	0.00	Issue Type +	Ma	Location *				
Category	Pump Stations			GPS Latitude/Longitude				
Category			Start		End			
Item	Manual Gate Operators			37.9739	83 °	37.973983 °		
item			-121.22990	67°	-121.229967 °			
DWR ID DWR_NA0017_20_t _ 2012_17								
		Action/	Comme	nts				

Inspector Comments: Manual gate appeared to be in good working condition.



View of the manual gate.

* Location LS : Land Side CR : Crown

Friday, August 28, 2015 11:41

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Levee Inspection Report By Mile - Structure 2015

San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Mormon Slough Pumping Plant No. 3		07/15/2015 07/15/2015	Pavel Kazi

LM Start	0.00	Rating **	Α	Issue No.	18				
LM End	0.00	Issue Type +	Ma	Location *					
Category	Pump Stations			GPS La	titud	le/Longitude			
Calegory			Start		End				
Item	Other Metallic Items			37.9739	83 °	37.973983 °			
пеш				-121.2299	67°	-121.229967 °			
DWR ID	DWR ID DWR_NA0017_20_t _ 2012_18								
	Action/Comments								

Inspector Comments: Other metalic parts within the pumping plant appeared to be in a good condition.

No Photos

LM Start	0.00	Rating **	Α	Issue No.		19	
LM End	0.00	Issue Type +	Ma	Location *			
Pump Stations				GPS Latitude/Longitude			
Category			Start		End		
Item	Flap Gate	s		37.9739	83 °	37.973983 °	
item			-121.2299	67 °	-121.229967 °		
DWR ID DWR_NA0017_20_t _ 2012_19							

Action/Comments

Inspector Comments: Flap gates appeared to be in good condition.



View of the flap gates.

LM Start	0.00	Rating **	N	Issue No.		20		
LM End	0.00	Issue Type +	Ma	Location *				
Category	Pump Stations			GPS Latitude/Longitude				
Category				Start		End		
Item	Closure Structures			37.9739	83 °	37.973983	0	
Item				-121.2299	67°	-121.229967	0	
DWR ID	DWR_NA0	017_20_t _ 201	2_20					
Action/Comments								

Inspector Comments: This item does not exist at this location.

No Photos

* Location LS : Land Side CR : Crown

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated

+ Issue Type

Levee Inspection Report By Mile - Structure 2015

San Joaquin County Flood Control and Water Conservation District

Structure	Structure Length	Inspection Start/End	Inspector
Mormon Slough Pumping Plant No. 3		07/15/2015 07/15/2015	Pavel Kazi

LM Start	0.00	Rating **	Α	Issue No.		21		
LM End	0.00	Issue Type +	Ma	Location *				
Category Pump Stations			GPS Latitude/Longitude					
Calegory				Start		End		
Item	. Security Fencing			37.9739	83 °	37.973983 °		
item			-121.2299	67 °	-121.229967 °			
DWR ID	DWR ID DWR_NA0017_20_t _ 2012_21							
Action/Comments								

Inspector Comments: Security fencing was undamaged and prevented unauthorized access.



View of the security fencing.

LM Start	0.00	Rating **	Α	Issue No.	22			
LM End	0.00	Issue Type +	Ma	Location *				
Category	Pump Stations			GPS Latitude/Longitude				
Calegory				Start		End		
Item	Intake and Discharge Pipes			37.97398	3 °	37.973983 °		
пеш					7 °	-121.229967 °		
DWR ID	DWR ID DWR_NA0017_20_t _ 2012_22							
Action/Comments								

Inspector Comments: Pipes appeared to be in good condition.

No Photos